

ABSTRACT OF THE DISCLOSURE

There are disclosed a synchronous rectifying type  
of DC-DC converter, a DC-DC converter control circuit  
constituting such a type of DC-DC converter, a monitor  
circuit for monitoring an operation of a DC-DC converter,  
and an electronic equipment having a DC-DC converter,  
considering a conduction current. A DC-DC converter has a  
main switch and a synchronous rectifying switch, in which  
said main switch and said synchronous rectifying switch are  
alternately turned on so that a voltage of a DC electric  
power is transformed and outputted. A state that said main  
switch and said synchronous rectifying switch are  
simultaneously turned on is detected.